

## **ABSTRACT**

The present invention relates to a substantially pure biologically active  
5 consecutive anti-angiogenic polypeptide comprising the central region of human  
Histidine Rich Glycoprotein (HRGP). Said polypeptide is shown to comprise a potential  
endogenous, naturally occurring subfragment of human HRGP, comprising similar anti-  
angiogenic activities as the mature protein. The present invention also relates to one or  
more new biologically active subfragments of human HRGP, derived from said central  
10 region. Said subfragments are all characterized by having anti-angiogenic activity. One  
of the active subfragments is referred to as Pep2. Encompassed by the present invention are  
also anti-angiogenic subfragments derived from Pep2, one of them comprising a newly  
identified presently minimal functional entity.